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1645
PATENT APPLICATION

Attorney Docket No.: WPB 36400B

AMENDMENT TRANSMITTAL

RECEIVED

DEC 12 2002

Group Art Unit: 1645

Examiner: M. Navarro TECH CENTER 1600/2900

In re the Application of

Glaucia PARANHOS-BACCALA et al.

Application No.: 09/138,735

Filed: August 24, 1998

For: TRYpanosoma cruzi antigen, gene encoding therefor and methods of detecting and treating chagas disease

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

Transmitted herewith is an Amendment in the above-identified application.

Entitlement to small entity status is hereby asserted.
 Small entity status of this application has been established.

The filing fee has been calculated as shown below:

	(Column 1)	(Column 2)	(Column 3)
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA
TOTAL CLAIMS	*32 MINUS	**30	= 2
INDEP CLAIMS	*6 MINUS	***6	=
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM			

SMALL ENTITY	
RATE	ADD'L FEE
x 9	\$
x 42	\$
+140	\$
	\$

OTHER THAN A SMALL ENTITY	
QR	ADD'L FEE
RATE	\$ 36
x 18	\$ 36
x 84	\$
+280	\$
	\$ 36

* If the entry in Column 1 is less than the entry in Column 2, write "0" in Column 3.
** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.
*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.

The "Highest Number Previously Paid For" in this space (Total or Independent) is the highest number found from the equivalent box in Column 1 of a prior Amendment or the number of claims originally filed.

Check No. 136971 in the amount of \$36.00 is attached. The Director is hereby authorized to charge any other fees that may be required to complete this filing, or to credit any overpayment, to Deposit Account No. 15-0461. Two duplicate copies of this sheet are attached.

DEPOSIT ACCOUNT USE
AUTHORIZATION
Please grant any extension
necessary for entry;
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Respectfully submitted,

William F. Berridge
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Philip A. Caramanica, Jr.
Registration No. 51,528

WPB:PAC/jam

Date: December 9, 2002



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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For: TRYPANOSOMA CRUZI ANTIGEN, GENE ENCODING THEREFOR AND
METHODS OF DETECTING AND TREATING CHAGAS DISEASE

TECH CENTER 1600/29

*Am dt
26/12
Linda
12/17/02*

AMENDMENT

Director of the U.S. Patent and Trademark Office
Washington, D.C. 20231

Sir:

In reply to the September 10, 2002, Office Action, please amend the above-identified application as follows:

IN THE CLAIMS:

Please replace claims 5, 8, 10, 17, 21 and 23 as follows:

Sub 5
5. (Four Times Amended) A probe for identifying *Trypanosoma cruzi*,
consisting essentially of a sequence having at least 85% homology with a fragment of a
nucleotide sequence that is identical or fully complementary to a sequence starting at
nucleotide 1232 and ending at nucleotide 2207 of SEQ ID NO: 1 or the corresponding RNA
sequence, wherein said probe contains at least 5 and no more than 100 nucleotides.

Sub 7
7. (Amended) The probe according to claim 5, wherein said probe has 8 to 50
nucleotides.

H2
8. (Four Times Amended) A primer for amplifying a nucleotide sequence,
consisting essentially of a sequence having at least 85% homology with a fragment of a